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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/541,019	06/28/2005	Akira Tsuji	Q88424	4031
23373 77590 07/20/2009 SUGHRUE MION, PLLC 2100 PENNSYL VANIA AVENUE, N.W.			EXAMINER	
			PALENIK, JEFFREY T	
SUITE 800 WASHINGTON, DC 20037		ART UNIT	PAPER NUMBER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/541.019 TSUJI ET AL. Office Action Summary Examiner Art Unit Jeffrey T. Palenik 1615 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 15 May 2009. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-9.14.17 and 22 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-9,14,17 and 22 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No.

application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Copies of the certified copies of the priority documents have been received in this National Stage

DETAILED ACTION

STATUS OF APPLICATION

Receipt is acknowledged of Applicants' Request for Continued Examination (RCE), filed 15 May 2009, as well as their Amendments and Remarks which were earlier filed 16 April 2009. Said filings are entered on the record. The Examiner further acknowledges the following:

No claims have been cancelled or added.

Claims 1 and 17 have been amended to include the structural limitation that components "a" and "b" are mixed. Applicants' remarks and the specification sufficiently support the amendment to the claims (see pg. 14, lines 8-13).

No new matter has been added.

Claims 1-9, 14, 17 and 22 thus continue to represent all claims currently under consideration.

INFORMATION DISCLOSURE STATEMENT

No new Information Disclosure Statement (IDS) have been filed for consideration.

WITHDRAWN OBJECTIONS/REJECTIONS

Rejection under 35 USC 102(b) and 103(a)

Applicants' amendments and remarks, particularly those directed to claims 1 and 17, render moot the rejection to claims 1-7, 14 and 17, under 35 USC 102(b), as being anticipated by Behl et al. (USPN 4,525,339) as well as the rejection to claims 1-9, 14, 17

and 22, under 35 USC 103(a), as being unpatentable over the combined teachings of Behl et al. and Gaunt et al. (USPN 3,148,124). Applicants have distinguished over the prior art both in amendment and remark (e.g. mixture of compounds versus coated compound) as discussed above, the art is now interpreted as both no longer anticipating and rendering obvious the instantly amended claims. Said rejections now stand withdrawn.

NEW REJECTIONS

In light of Applicants' amendments and remarks, as well as the above withdrawn rejections, the following rejection has been newly added:

CLAIM REJECTIONS - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not

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commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-9, 14, 17 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Timmins et al. (USPN 6,660,300).

The instantly amended claims 1 and 17 are drawn to a gastrointestinally-absorbed, pharmaceutical preparation comprising a mixture of the following components: 1) a compound recognized by a proton-coupled transporter, and 2) a pH-sensitive polymer. Claim 22 further limits the compositions of either claim 1 or 17 such that it narrows the amount of the pH-sensitive polymer to 10-20% based on the weight of the entire preparation.

The invention of Timmins is directed to biphasic-controlled release systems having both an inner solid particulate phase and an outer solid continuous phase. Said phases range in ratio from to one another from 0.5:1 (e.g. 1:2) to 4:1 (col. 9, lines 54-58). Both the inner and outer phases are expressly taught as comprising hydrophobic polymers preferably ranging from 35-60% by weight of the entire composition (col. 10, lines 24-34). Hydrophilic polymers which are expressly taught as being incorporated into the formulations include both methacrylic acid copolymers "L" and "S" or Eudragit L and Eudragit S (col. 10, lines 44-51). Regarding the limitations of claim 22 wherein said range is narrowed to 10-20 wt% of the entire composition, the invention of Timmins also expressly teaches that the inner phase may comprise from about 15 to about 95% by weight in the form of hydrophobic polymers (col. 9, lines 59-67).

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The dependent claims 2 and 3 further limit the type of transporter which is acted upon within the body. The specific types of transporters which are acted upon are: a peptide transporter (claim 4), a monocarboxylic acid transporter (claim 6) and an amino acid transporter transporting D-cycloserine (claim 8). Those types of or particular compounds which act on the transporters of claims 4, 6 and 8, are respectively recited in claims 5, 7 and 9.

Regarding the forgoing limitations for the compounds which act upon particular transporters, Timmins expressly teaches that numerous compounds may be delivered by the biphasic composition. Many different types of peptides are taught, including those which comprise amino acids such as proline and glycine (col. 17, line 28 to col. 18, line 47). Other non-peptide forms of active agents are taught such as captopril, a known acetylcholinesterase inhibitor (col. 18, lines 53-55). The forgoing agents which are taught represent examples of those compounds which are recited in both claims 5 and 9. Compounds which are expressly taught by Timmins and which are recited include those such as salicylic acid (e.g. aspirin and p-aminosalicylic acid) and nicotinic acid (col. 15, lines 6 and 19-20).

Claim 14 recites that the composition of claim 1 is an oral dosage form. Oral dosage forms are taught throughout the entire invention to Timmins (see for example the Abstract).

Thus, it would have been *prima facie* obvious to a person of ordinary skill at the time the invention was made to have prepared the mixed composition as instantly claimed Art Unit: 1615

under the guidance of the practiced invention of Timmins et al. The ordinarily skilled artisan would have been highly motivated to do so and would have had an equally high expectation of successfully arriving at the instantly claimed release composition, particularly since Timmins expressly teaches or suggests each of the above limitations. Of particular note, is that Timmins teaches that the active compound, which is released to the target transporters, is mixed into the formulation with particles of hydrophobic polymers, rather than being coated by a film of said polymers. Since this key distinction in Applicants' invention is met by the art, it is the conclusion of the Examiner that Applicants' invention as a whole would have been *prima facie* obvious at the time the invention was made, especially in the absence of evidence to the contrary.

All claims have been rejected; no claims are allowed.

CORRESPONDENCE

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey T. Palenik whose telephone number is (571) 270-1966. The examiner can normally be reached on 7:30 am - 5:00 pm; M-F (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Woodward can be reached on (571) 272-8373. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

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applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jeffrey T. Palenik/ Examiner, Art Unit 1615 /MP WOODWARD/ Supervisory Patent Examiner, Art Unit 1615